

# **Unicenter<sup>®</sup> CA-PLEU<sup>®</sup> Protection Log Extract Utility for Adabas**

## **Release Summary**

**4.1**



Computer Associates<sup>®</sup>

This documentation and related computer software program (hereinafter referred to as the "Documentation") is for the end user's informational purposes only and is subject to change or withdrawal by Computer Associates International, Inc. ("CA") at any time.

This documentation may not be copied, transferred, reproduced, disclosed or duplicated, in whole or in part, without the prior written consent of CA. This documentation is proprietary information of CA and protected by the copyright laws of the United States and international treaties.

Notwithstanding the foregoing, licensed users may print a reasonable number of copies of this documentation for their own internal use, provided that all CA copyright notices and legends are affixed to each reproduced copy. Only authorized employees, consultants, or agents of the user who are bound by the confidentiality provisions of the license for the software are permitted to have access to such copies.

This right to print copies is limited to the period during which the license for the product remains in full force and effect. Should the license terminate for any reason, it shall be the user's responsibility to return to CA the reproduced copies or to certify to CA that same have been destroyed.

To the extent permitted by applicable law, CA provides this documentation "as is" without warranty of any kind, including without limitation, any implied warranties of merchantability, fitness for a particular purpose or noninfringement. In no event will CA be liable to the end user or any third party for any loss or damage, direct or indirect, from the use of this documentation, including without limitation, lost profits, business interruption, goodwill, or lost data, even if CA is expressly advised of such loss or damage.

The use of any product referenced in this documentation and this documentation is governed by the end user's applicable license agreement.

The manufacturer of this documentation is Computer Associates International, Inc.

Provided with "Restricted Rights" as set forth in 48 C.F.R. Section 12.212, 48 C.F.R. Sections 52.227-19(c)(1) and (2) or DFARS Section 252.227-7013(c)(1)(ii) or applicable successor provisions.

© 2003 Computer Associates International, Inc.

All trademarks, trade names, service marks, and logos referenced herein belong to their respective companies.



# Contents

---

## Chapter 1: New Enhancements

New Enhancements Summary .....	1-2
Support for Adabas Version 7.4 .....	1-2
Full Compatibility with Adabas V7.2 .....	1-2
Installation Procedures .....	1-2

## Chapter 2: Enhancements to Existing Features

Supports New Features for Adabas V7.1 .....	2-1
SAVEFDTS File Changes .....	2-1
Banner Box Added .....	2-2
Eliminate CL/OP Every 15 LF Commands .....	2-2
Set LRECL/BLKSIZE Defaults Based on Device Type .....	2-2
Time Zone Parameter Implemented .....	2-2
New Format Options for Extracting PLOG Records .....	2-3



# New Enhancements

---

Unicenter CA-PLEU Protection Log Extract Utility for Adabas (Unicenter CA-PLEU) extracts information from the Adabas protection log for subsequent processing. Because Unicenter CA-PLEU obtains all information in a single pass, CPU usage and I/Os are minimized. Unicenter CA-PLEU supplies an audit trail to take the guesswork out of audits. It can be used to validate applications, so you can discover the cause of incorrect data and verify that required changes have occurred, and as a recovery tool for selective back out of commands and transactions.

You can also purchase the following Computer Associates software to extend your use of Adabas, which is a database management system product from Software AG:

- Unicenter CA-APAS Insight Monitor for Adabas (Unicenter CA-APAS) – A comprehensive set of tools that enable the user to more effectively manage Adabas components and the applications serviced by the Adabas nucleus. It allows users to monitor and tune their Adabas environment and alerts them to potential and ongoing performance problems and bottlenecks.
- Unicenter CA-SpaceMan File Management for Adabas (Unicenter CA-SpaceMan) – Automates the space management of the physical Adabas database, helps manage Adabas logical files, automatically manages DASD resources, and tunes the physical performance of Adabas.

For more information about these products, refer to their product documentation.

## New Enhancements Summary

This release of Unicenter CA-PLEU provides you with the following features:

- [Support for Adabas Version 7.4](#)
- [Full Compatibility with Adabas V7.2](#)
- [Installation Procedures](#)

## Support for Adabas Version 7.4

Unicenter CA-PLEU is fully compatible with Adabas V7.4 and also fully supports Adabas V7.1 and V7.2.

It does not support Adabas V6 and earlier and is a complete replacement for earlier releases.

## Full Compatibility with Adabas V7.2

In the previous release of Unicenter CA-PLEU, either Adabas V7.1 or Adabas V7.2 was supported based on the application of an APAR. This feature now integrates the support of V7.2 so that both releases are supported simultaneously.

## Installation Procedures

The complete set of Unicenter Database Tools for Adabas products: Unicenter CA-APAS, Unicenter CA-PLEU, and Unicenter CA-SpaceMan, have been combined for distribution on a single tape. To protect against unauthorized downloading and use of non-licensed products, the product libraries are password protected and encrypted on the distribution tape.

**Note:** There are new installation unload jobs and procedures that include steps to decode the load libraries using a CA-supplied password.

# Enhancements to Existing Features

---

This chapter describes enhancements to the existing features of Unicenter CA-PLEU:

- [Supports New Features for Adabas V7.1](#)
- [Set LRECL/BLKSIZE Defaults Based on Device Type](#)
- [Banner Box Added](#)
- [Eliminate CL/OP Every 15 LF Commands](#)
- [Time Zone Parameter Implemented](#)
- [New Format Options for Extracting PLOG Records](#)

## Supports New Features for Adabas V7.1

### SAVEFDTS File Changes

Due to a change in the Command Option 1 setting of the LF command used to get FDT information from the database, the internal format of the SAVEFDTS file has changed.

This means that SAVEFDTS files from previous releases are **not** compatible with V4.1.

**Note:** Sites using SAVEFDTS files must create new V4.1 SAVEFDTS files to use with V4.1 Unicenter CA-PLEU extracts. Change the SAVEFDTS utility (reads the FDTs in Adabas and writes them to a flat file for Unicenter CA-PLEU's use when Adabas is not running) and the DBGADEXT utility (reads the flat file created by the SAVEFDTS utility) to use the new LF format command with the COP2='S' option (this command tells Adabas to return the FDT definition for each file in the new format) and to add support for new field types such as LA (long alpha). Adabas V7.1 introduced new field types and compression options. In order to decompress the Protection Log Records correctly, Unicenter CA-PLEU must recognize the new field types and options.

## Banner Box Added

Adds a banner box containing release information in the SAVEFDTS extract reports (the DBGADEXT output currently reports this information). This is especially useful when matching documentation from clients.

## Eliminate CL/OP Every 15 LF Commands

An Adabas Close/Open sequence is no longer required after every 15 commands to prevent filling the buffer pools. This improves performance.

## Set LRECL/BLKSIZE Defaults Based on Device Type

If not specified, defaults are used based on device type.

## Time Zone Parameter Implemented

This new GLOBALS option supports Adabas Dynamic Local Time Zone Change. Adabas supports dynamic changes made in the operating system to the local time zone relative to the machine or STCK time without having to shut down and restart the nucleus. As a result of this enhancement, time stamps in the PLOG records are in machine time rather than local time.

Unicenter CA-PLEU reports the time as found in the PLOG records, that is in machine time rather than local time.

If you want Unicenter CA-PLEU to report the times in local time rather than the machine time found in the PLOG records, use the new GLOBALS parameter, LOCALTIME. Adabas now uses the machine/STCK time in the Protection Log records but Adabas utilities such as ADASAV and the PLOG copy utility report the local time. When Unicenter CA-PLEU is executed, it displays the time stamp from the PLOG record (STCK time), which does not match the times given from the Adabas PLOG copy utility. This makes it difficult for users to match the Unicenter CA-PLEU information to the Adabas PLOG information. Currently, we have accommodated the dynamic local time change with a zap that must be applied twice a year (when you go on daylight savings time and when you go off daylight savings time). This feature converts the zap to a user-supplied parameter.



## New Format Options for Extracting PLOG Records

In addition to the three existing Format options: FORMAT, AFORMAT, and BFORMAT, four new format options available:

DFORMAT	Specifies the format of the before images of deleted records.
NFORMAT	Specifies the format of the after images of newly added records.
SFORMAT	Specifies the format of the before images of deleted records and the after images of newly added records.
UFORMAT	Specifies the format of the before and after images of updated records.

These new options enable you to extract PLOG records based on the type of Adabas command that created the PLOG records, that is Adds, Deletes, or Updates.

**Note:** Command Selection of PLOG Records is available and enables you to select PLOG records based on the Adabas command that created the PLOG record.

